BY AUTHORITY

TERRITORY OF HAWAII.

LAND COURT.

TERRITORY OF HAWAII to S. Ke-

anini, William L. Decoto, Maikalewa,

W. K. Mookini, Antene Recard, Sarah

maka, Hauki, Kapeka, Charles Ford-

en, Mrs. Philip Pall, Sarah Kepooka-lani, E. Kanamo Polani, Ingram M.

Stainback, Attorney General of the Territory of Hawaii, Henry W. Kin-

ney, Superintendent of Public Instruc-

tion of the Territory of Hawaii, Ber-

tram G. Rivenburgh, Commissioner of Public Lands of the Territory of Ha-

wall, the Pioneer Mill Company, Limited, the Lahaina Agricultural Company, Limited, the Mutual Telephone

Company, Limited, and E. Faxon Bishop, William O. Smith, Albert F. Judd, Alfred W. Carter and William

Williamson, Trustees under the will and of the Estate of Bernice Pauahi

Bishop, deceased; and to ALL whom

WHEREAS, a petition has been pre-

sentented to said Court by the Pioneer

Mill Company, Limited, to register and

confirm its title in the following de-

scribed land situate in the Ahupuaa

of Punnoa 1, at Laha'na, County of

Maui, Territory of Hawaii, being a portion of Land Commission Award

8515 to Keoni Ana for G. Lahilahi, Royal Patent 1667, a portion of School Grant 15, Apana 5, to Board of Educa-

tion, the said land being more parti-

cularly described by metes and bounds

Beginning at a concrete post mark-

ed t, at the East corner of this piece, and the North corner of L. C. A. 333

to Kaahanui on the West side of Gov-

ernment Road, the co-ordinates of

said concrete post referred to Govern-

it may concern:

#### **Timely Farm Hints**

By F. G. KRAUSS, Supt. Halky Extension Division. Hawaii Experiment Station

FIELD CORN (Continued) In our last paper we discussed the importance and possibilities of the corn crop to Hawaii. In the present article some of the more important practices necessary to insure an maintain maximum quality and quar ity production are taken under co

Seed Selection And Improvement In choosing a variety it should recognized that corn which succeeds in one location may be totally unsuit-ed to another. It is therefore safest, especially in times like the present, to select the best local variety, at least for the time being. On the other hand, will pay the corn grower to test out comparatively a number of standard varieties with a view to finding something better, both in productiveness and quality than has hithereto been grown. Thus, while the Kula type of corn succeeds admirably in the environment where it has been developed, its grain is considered so inferior as a market type that the price realized by the grower is al-ways several dollars lower than for yellow dent varieties of medium size

During the past four years the Sub-Station at Haiku has made comparative tests of many of the standard varieties of corn with a view to establishing a type of high quality and productiveness. This has resulted in producing an early maturing, small yellow dent type, which under our conditions has yielded not less than 8 percent and as high as 15 percent increase of grain over its nearest competitor. On the record crop of 100 bushels recordd in our last paper the increase was 8 bushels, equivalent to about 450 pounds. This represents an increased value of at least \$15.00 per acre,

at present prices, due to variety alone. For the benefit of those who may wish to make a comparative test of the varieties that have succeeded best with us, we give below a short list in the order of their merit to-gether with

Yellow Dent Varieties.

Funk's 90 Day. Matures in 100 days at Haiku. Crib dried ears average about 8 ounces. Bright, golden yellow, grain small and deep. Much in demand by the Honolulu market, where it commands the highest price. This is one of the parents of the Sub-Station Hybrib Yellow Dent. Especially suited to a short, dry season.

King of the Earlies... Somewhat similar to Funk's 90 Day and recom-mender for trial, especially when Funk's 90 Day is not available. While this variety will give better yields than the two varieties following, during very dry years, it is not of as uniform type or so heavy yielder under favorable seasons.

Reeds Yellow Dent, is a large eared corn frequently weighing 16 ounces, and averaging 9 inches in length. It It is one of the oldest standard varieties, and has been very highly bred. The grain is medium to small, of a fine golden, yellow color and superior strains will shell fully 82 percent of grain to cob. We highly recommend this variety where there is ample moisture and high fertility. It requires 120 to 130 days to mature.

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"Why didn't you buy that bill of goods from me? I could have saved you the express, and besides you would have been patronizing a home store, which helps pay the taxes and builds up this local-

The farmer looked at the merchant a moment and then said:

"Why don't you patronize your home paper and advertise? I read it and didn't know that you had the stuff I have here." MORAL - ADVERTISE

and the other Islands of our group.

We are purposely omitting the
White seeded and flint varieties bewould recommend Hickory King as short seasoned variety, especially suited to the lowlands, and Boone county White for the moister and cooler uplands having a long season We have now under test a number of varieties recently ent out by the Hawaii Experiment Station, which includes several flint varieties and one from Guam, These will be reported upon at the end of

Having determined upon a suitable variety, the farmer may well select and improve his corn so as to increase the yield and possibly the quality, although the latter factor is one of highly technical nature. The yielding apacity of field corn cannot be determined by a mere examination of individual ears taken at random from the bin. We have made many ear to row tests from uniformly fine looking ears parentage are dominant factors in Two equally well shaped cross production. conditions may easily produce yields of fully 50 percent difference.

Time and place, therefore to make suitable seed selection is in the field when the corn is approaching maturity. Then the type of stalk, the position of the ear on the stalk, the number at best greatly reduce the vitality, ber and the size of the ears and their We at Haiku either place our seed peercentage, germination test etc. will

are provided with doors or snutters and the rational mode and time of year on the side of the corn field at the rational which are opened in face a pleation. In this respect fertilizer from which the prevailing winds blow able weather, while on damp cold days of it less have increased our efficiency of the state of the corn and initial 10 percent to fully noor stalks in the general plantes. The state of the state of the corn and initial 10 percent to fully noor stalks in the general plantes.

Gold Standard Learning. This is better seed corn can be selected from drive out excessive moisture. ber of co-operative experiments with rows by themselves. Each alternate involves rolling up the kernels in a Kula farmers, this variety of the list half of the rows are detassled as the given herewith proved best by at flowers appear. This is done to inast 20 percent in yield for grain, sure that half a row grown from each in a moist place, or with one end rest-We would especially recom-mend this variety for trial in the Kula But a better plan is to plant two seed and moister uplands, both on Maut plots using some seed from each ear and the other Islands of our group. ed, then the corn from the even numhite seeded and flint varieties be-hause these are of low market value of the plots and the corn from the in Hawaii. However, for those who odd numbered ears on the other. In would care to give them a trial, we this way may be tested the producing power of each ear without the possible chance that any of the plants would be self-polinated. By selecting ears from the best plants in the detasseled rows or portion of the rows, seed corn may be secured for further selection until the highest attainable type is ecured. This is then grown in multiplying plots until sufficient stock seed obtained for general planting.

After careful selection has been nade for several years, it is someimes an advantage in so far as inreasing productivity is concerned to cross the improved selected corn with ther corn of a different variety which as succeeded well in the same local-While it does not always follow increased yields are obtained by such crosses, such often happens. The essential thing is, of course, to find two mutually adapted varieties. When this does not occur, the cross which went to prove that good and had may result in a very inferior variety. In any event, it is usually only the first that is effective. The second ears planted under identically cultural and after generations are frequently very inferior to either parent.

The curing of seed corn that it will maintain strong vitality is of great else it may heat and become moldy, or habit of "hang" may be determined, cars in racks or string them in such By "hang" we mean the pointing a way as to prevent the ears in coming downward of the ear to enable it to in contact with one another. While peercentage, germination test etc. will on the mainland build what is known as kiln-drying houses. These buildings but the forms the part of are provided with doors or shutters, the past profit.

another old standard yellow dent corn. This portion of the field than from a next season just before planting time whose yields have not been up to par it is characterized by its heavy stalks field of corn planted with seed selectand foliage which makes it an ideal ed at random. Growers who are tested for vitality. It is remearkable periment, including in the procrown as the "Feeders Friends", be- corn seed of the highest quality can and it pays well to reject any ears that green-manuring, the use of stable has high feeding value, likewise the lishing breeding plots so situated that tion. Testing is very easily done by but by no means least, the seasons cob being rather soft is more readily it cannot be polluted from other placing the seed on moist sand or for planting. It is only when we have crushed and masticated by cattle than fields. In such cases the seed from sawdust and covering with a moist most of our other varieties. In a num-the selected ears should be planted in cloth. The so-called "rag doll" method sawdust and covering with a moist measured the relative importance of moist cloth. A string is tied around the ends of the roll and they are set ing in shallow water. During the germination test the seed should be kept moderately warm. At the end of four or five days the seed will have sprout ed sufficiently to determine their vitality. Reject all but the strong, uniform

Of equal importance to good seed corn is the matter of high fertility. No crop feeds more greedly than does corn, and much stress is laid upon this factor in our previous paper. creat value of an abundant supply of organic matter in the soil was point-ed out in the effects obtained from green-manuring. It may be said that where there is an abundant supply of animal manures, like favorable results may be obtained. However, when all is done in the way of manuring; opportunity still remains for greatly enbancing the fertility. Organic matter supplies the humus which is the media in which bacterial activity thrives and improves the physical condition of the soil generally, but the mineral plant food constituents are lacking To supply these we must often resort to the use of commercial fertilizers While we are opposed to the indis criminate use of so-called complete fertilizers without having previously determined the elements and forms o compounds in which the soils are lack ing by previous field tests, we are strong advocates of making compara tive fertilizer experiments. As point importance. After harvest, corn ed out previously a high grade ,com should be dried as quickly as possible, plete fertilizer if wrongly proportion ed or of unsuitable kind, may be practically worthless in its effect upon the crop. On the other hand, numerous fertilizer tests at the Haiku Sub-Station have shown us the constituents in which our particular soil is lacking. shed rain, thus protecting it against rot in wet weather. All individual stalks which are selected should be well to incur the extra labor. The many crops and expecially on corn marked so that the seed ears can be saved at the time of harvesting. It curing seed corn is a good circulation is well to select at least twice the of air. It should be kept away from simple truth in the beginning of our amount of ears likely to be needed since after the ears are in hand further test as to type of grain, shelling peercentage, germination test etc. will on the mainland build what is known end that prospects the ears are increased as the should have saved hundreds of dollars in our fertilizers. Not only have we determine the end that prosphetes are necessary, at are most efficient, able quantities to use

for planting. It is only when we have measured the relative importance of Mookini, Edith Pake Recard, Jesse each controlling factor in plant growth Hiram, W. J. Kahopukahi, Mrs. Kathat we can hope to attain a high proficiency in crop production. It will asily be seen that farming in its highphases is both an art and a science which any may well give his best endeavors. The Extension Division in o-operation with the Hawaii Experiment Station stands ready to at all times to lend its assistance,

Getting Even.

"There's a church near," said the country farmer to his paying guest; not that I ever puts my nose in it." "Anything the matter with the vi-

"Well, it's this way. I sold the old vicar milk and eggs and butter and cheese, and seeing as he patronized me I patronized 'im. But this new chap keeps 'is own cow and 'ens. 'If that's your game, I thought, 'we'll 'ave 'ome-grown religion too."—Tit-

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ment Survey Triangulation Station "Laina" are 5207.7 feet South and 5721.5 feet West, and running by true azimuths:

 65° 30′ 240.0 feet along L. C. A. 333 to Kaahanui to a concrete post marked † near the edge of swamp; 2. 327° 30' 32.2 feet along same to concrete post

marked †; 3. 56° 20′ 78.0 feet along Grant 962.2 to Puhalahua; 4. 183° 00' 30.0 feet along L. C. A. 11223 to Naowaha; 5. 144° 12' 61.3 feet along same to

a concrete post; 6. 60° 30' 44.0 feet along same to fence corner; 7. 141° 55′ 202.5 feet along fence, along house lot owned by the Laha-

ina Agricultural Co., Ltd., to fence corner; 8. 58° 30' 173.0 feet along fence, along house lot, owned by the Lahaina Agricultural Co., Ltd., to high water mark; Thence along high water mark, the direct azimuth and

along lot owned by the Mutual Telephone Co., Ltd.; 11. 185° 37' 72.3 feet along same to a 2" pipe; 12. 165° 31' 67.6 feet along same to

a 2" pipe; 13. 136° 14′ 160.5 feet along same a 2" pipe; 14. 75° 57' 100.0 feet along same to

Thence along high water mark direct azimuth and distance being: 15. 171° 12' 112.0 feet; 16. 277° 05' 392.9 feet along the (

ernment Land Alamihi and ing over a co post marked i feet to a con post marked t fence corner;

17. 333° 04′ 359.9 feet along L 277 to Kan crete pos t at fenc

18. 234° 45' 48.6 feet alons C. A. 277 to Kana-ina for Lunalilo; 19. 241° 16' 149.8 feet along fence,

along same; 20, 244° 28' 47.8 feet along along same; 21. 253° 47' 21.7 feet along fence,

along same concrete post mark ed † on the We side of Governm Road;

22. 342° 44' 127.0 feet along fo along the West Governm Road;

23. 342° 27' 156.7 feet West side of ernment ning.

Area-5.

YOU ARE HEREBY C at the Land Court, to City and County of H 8th day of August A. o'clock and thirty min noon, to show cause noon, to show cause
why the prayer of sa
not be granted. An
pear at said Court a
place aforesaid you.
recorded, and the said pe
taken as confessed, and
forever barred from contents
petition or any decree sates
on.

WITNESS THE HONORABLE KEMP, Judge of said Court, this day of May, in the year nineteen dred and seventeen.

Attest with seal of said Court; ANDREW V. HOGA

(May 18, 25, June 1, 8.)

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